

squelch is automatically set, thereby enhancing the use convenience.

#### WHAT IS CLAIMED IS:

1. A wireless communication system wireless communication method and system for automatically setting a frequency channel and a tone squelch comprising:

a filter and amplifier for filtering/amplifying only a necessary band frequency from a receive information signal induced by an antenna and passing a duplexer portion;

a mixer for mixing the band frequency with a phase synchronizing signal from a local oscillating portion;

a demodulating portion for demodulating a signal from the mixer and supplying the demodulated signal to a speaker; a receive tone squelch circuit for separating a sound signal from the demodulated signal;

a transmit modulating portion for combining a transmit signal input with a transmit tone squelch frequency from a transmit tone squelch circuit and demodulating the combined signal;

a controller for converting a code previously inputted into a code inputting portion into a frequency and tone squelch code;

a memory for storing data, which is coded corresponding to a frequency channel data and a tone squelch code selected by the controller, at a predetermined address region; and,

a display for representing a frequency, etc. set by the controller.

2. A wireless communication method for automatically setting a frequency channel and a tone squelch comprising steps of:

storing a frequency channel code and a modulating frequency converting code at a memory, previously;

inputting data at a waiting mode of a system corresponding to the frequency channel code and the modulating frequency converting code;

converting into a transmit mode after the completion of the data input step;

setting a frequency channel according to the frequency channel code after the completion of the transmit mode convert step; and,

transmitting information according to the modulating frequency convert code after the completion of the frequency channel setting.